

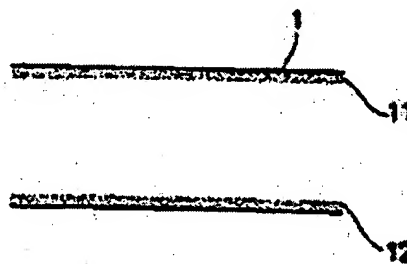
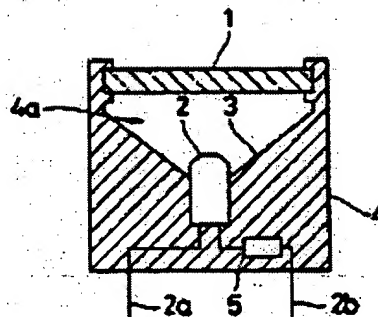
DEVICE FOR EMITTING WHITE LIGHT

Patent number: JP1260707
Publication date: 1989-10-18
Inventor: USUDA SHOJI; others: 01
Applicant: IDEC IZUMI CORP; others: 01
Classification:
- international: F21V9/10; F21V5/00; H01L33/00
- european:
Application number: JP19880088445 19880411
Priority number(s):

Abstract of JP1260707

PURPOSE:To enable pure white light to be obtained by transparent light by means of color mixing by letting a device be composed of LED, a transparent glass body which is dyeing agent penetrating and is high in transparency wherein each of dyeing agents of two color composing three primary colors formed by color mixing of luminous color from LED is penetrated into the respective front and rear surfaces of the glass body, and of a case which supports the glass body while letting it be faced with the luminous section of LED.

CONSTITUTION:In a case 4 made of an insulating resin raw material formed into a box shape, the inner circumferential surface of a recessed section 4a wherein a red color LED 2 is embedded, is composed of an inclined surface the face of which is covered with a reflective film so as to be used as a reflector 3. The glass body 1 is composed of polymerizable fluid polymer including monomer, or oligomer, or mixture thereof which includes compound in a bisallyle family as an essential ingredient so as to be formed into a plane shape. In addition, a blue dyeing agent 11 and a green dyeing agent 12 are penetrated into the front and the rear surfaces of the glass body 1 respectively over an appropriate range. This constitution thereby permits the three primary colors by color mixing to be formed so that pure white light can be obtained.



Data supplied from the esp@cenet database - Patent Abstracts of Japan

BEST AVAILABLE COPY